

# HOUSE OF REPRESENTATIVES

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August 7, 2000

Ms. Magalie Roman Salas  
Secretary  
Federal Communications Commission  
445 12th St., S.W.  
Washington, DC 20554

Re: Ultra-Wideband  
ET Docket 98-153

Dear Ms. Salas:

This letter is in response to the Federal Communications Commission's (FCC) Notice of Proposed Rule Making concerning ultra-wideband radio. One of the major producers of ultra-wideband devices, Time Domain, is located in Alabama. Time Domain's Time-Modulated Ultra Wideband technology (TM-UWB) enables several orders of magnitude improvement in communications, radar and position-location-tracking.

UWB technology has great potential to carry vast amounts of data, voice and video at extremely low power, providing the ultimate solution for delivering these services the "last hundred meters" and the "last ten meters" to, and within, schools, consumers' homes, and businesses in rural areas. UWB can provide wireless LAN service for schools receiving funding under the E-rate program. Importantly, UWB holds enormous promise for aviation safety applications: from ground penetrating radar to check for cracks in runways to collision avoidance systems on aircraft to augmenting GPS for precision take off and landing.

These potential benefits will greatly improve the quality of life not only for my constituents, but also for millions of Americans. I urge the FCC to move promptly in making a decision on the technical matters of UWB technology. In doing so, this will allow for timely deployment of UWB enabling us to achieve the maximum advantages from this technology.

Sincerely,



Mike Hubbard  
State Representative

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